Performance Data Sheet

AJA7465AXA

General Information

Model	AJA7465AXA	**Refrigerant**	R-12
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-10	Btu/h	2420	3300	3570	3400	2960	2420	1950
	Watts	657	697	717	719	706	680	643
	Amps	7.94	8.08	8.13	8.11	8.02	7.88	7.71
	Lb/h	26.5	46.5	55.1	55.3	50.2	42.8	36.2
-5	Btu/h	2860	3800	4110	3970	3530	2980	2480
	Watts	721	753	770	773	764	747	722
	Amps	8.45	8.57	8.61	8.60	8.55	8.48	8.38
	Lb/h	32.2	53.7	63.5	64.6	60.0	52.7	45.9
0	Btu/h	3370	4360	4710	4590	4150	3580	3040
	Watts	789	814	827	830	826	816	803
	Amps	8.97	9.05	9.09	9.10	9.08	9.07	9.05
	Lb/h	39.0	62.0	72.9	74.7	70.6	63.5	56.4
5	Btu/h	3940	4990	5370	5260	4820	4230	3640
	Watts	860	877	886	889	889	887	886
	Amps	9.50	9.55	9.57	9.59	9.61	9.65	9.72
	Lb/h	46.7	71.2	83.2	85.8	82.1	75.0	67.7
10	Btu/h	4570	5670	6090	5990	5540	4920	4280
	Watts	933	942	947	950	953	959	969
	Amps	10.0	10.0	10.1	10.1	10.1	10.2	10.4
	Lb/h	55.5	81.4	94.5	97.9	94.5	87.5	79.8
15	Btu/h	5270	6410	6860	6770	6310	5650	4970
	Watts	1010	1010	1010	1010	1020	1030	1050
	Amps	10.6	10.6	10.6	10.6	10.7	10.8	11.0
	Lb/h	65.3	92.6	107	111	108	101	92.7
20	Btu/h	6030	7220	7680	7600	7120	6430	5690
	Watts	1080	1080	1070	1070	1080	1100	1140
	Amps	11.1	11.1	11.0	11.1	11.2	11.4	11.7
	Lb/h	76.2	105	120	125	122	115	106
25	Btu/h	6860	8090	8570	8480	7990	7260	6460
	Watts	1160	1140	1130	1140	1150	1180	1220
	Amps	11.7	11.6	11.6	11.6	11.7	12.0	12.4
	Lb/h	88.1	118	134	139	137	130	121

30	Btu/h	7750	9010	9510	9420	8900	8130	7270
	Watts	1240	1210	1200	1200	1210	1250	1300
	Amps	12.3	12.1	12.1	12.1	12.3	12.6	13.0
	Lb/h	101	132	149	155	153	146	137

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-4.809396E+04	-1.023156E+02	5.275575E+00	-9.452952E+02
C2	-1.206854E+02	5.423947E+01	3.159017E-01	-3.421518E+00
C3	1.328969E+03	2.145549E+01	9.524067E-02	2.484045E+01
C4	1.924809E+00	9.600652E-02	4.107146E-04	2.594794E-02
C5	4.394246E+00	-8.161822E-01	-4.428739E-03	8.873429E-02
C6	-1.082134E+01	-1.581099E-01	-7.792245E-04	-1.972387E-01
C7	-4.198907E-06	-9.374959E-04	1.041670E-06	1.149018E-05
C8	-7.922051E-03	-4.415596E-04	-3.571432E-06	-7.051738E-05
C9	-1.928564E-02	3.899349E-03	2.233766E-05	-3.481168E-04
C10	2.812478E-02	3.645657E-04	2.083343E-06	5.065238E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature